

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/014520

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B01J8/02 F28D9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B01J F28D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 869 011 A (LEE JING MING) 9 February 1999 (1999-02-09) column 6, line 49 - column 7, line 38; figures	1-4, 6, 9, 10
A	EP 1 221 339 A (METHANOL CASALE SA) 10 July 2002 (2002-07-10) the whole document	1-10
A	DE 855 258 C (ICI LTD) 10 November 1952 (1952-11-10) page 2, line 92 - line 117; figures	1
A	WO 94/12274 A (SHELL CANADA LTD ; SHELL INT RESEARCH (NL)) 9 June 1994 (1994-06-09)	
A	DE 39 16 337 A (SCHMITT UWE) 4 October 1990 (1990-10-04)	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

*** Special categories of cited documents :**

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

Date of mailing of the International search report

6 April 2005

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Vlassis, M

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Information on patent family members

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